

PowerCable REST 101x

NETIO PowerCable REST 101x is a smart 230V/16A extension cord with WiFi. With a simple click in the web interface, the output can be switched on/off and the measured values are displayed (A, V, W, TPF, kWh, Hz, °).

The product features an open API interface for integration with other systems. The output socket can be metered and controlled with one of the ten supported protocols (XML/ JSON, URL API, SNMP, Modbus/TCP, MQTT and more).

- WiFi connection to a LAN
- Output can be switched on/off/reset
- Electricity metering and reporting (kWh, A, V, W, Hz, TPF, °)
- **ZCS** (Zero Current Switching)
- **Open API:** XML, JSON, Modbus/TCP, MQTT and more

- Service: **NETIO Cloud**
- Mobile application: NETIO Mobile2

- Easy installation, automatic "WiFi reconnect"



DE
101F



FR
101E



CH
101J



C13/C14
101S



UK
101G



Output can be controlled from the web interface, Open API, mobile application or paid NETIO Cloud service.

Thanks to **Open API** (JSON, Modbus/TCP, SNMP, MQTT and more), it can be connected to 3rd party applications that can use the PowerCable REST to measure energy consumption and control the output.

NETIO Cloud is a SSL-secured service for controlling the output from anywhere (Web or Cloud API).

AV drivers make it easy to connect NETIO sockets to professional Audio/Video control systems such as Neets, Crestron, Control4, ELAN and more.

Scheduler function (time based switching) works locally, even without an Internet connection.



Control of electrical sockets over a LAN from third-party system



Consumption metering at individual sockets, e.g. for diagnostics or predictions



Metering and control from superior systems (Node-RED, SCADA, Cloud services, ...)



Switching audiovisual equipment ON/OFF (beamers, amplifiers, TVs, ...)



Drivers for AV media/installations (Control4, ELAN, Crestron, Neets ...)



Central web interface (NETIO Cloud)

FEATURES

- **101x: Several versions of power sockets**
 - 101F (DE "Schuko" – most of Europe)
 - 101E (FR – France, Poland, Czechia, Slovakia)
 - 101J (CH – Switzerland)
 - 101S (IEC-320 C13/C14)
 - 101G (UK – United Kingdom)
 - 101Y (input CEE 7/7, output IEC-320 C13)
- **Socket control options:**
 - Push-button
 - WEB browser
 - Open API
 - Mobile application: NETIO Mobile2
 - NETIO Cloud (TLS security)
- **Power measurements**
 - Current [A]
 - Voltage [V]
 - Consumption [Wh]
 - Output power [W]
 - TPF (True Power Factor)
 - Phase shift [°]
 - Frequency [Hz]
 - Reverse Energy [Wh]
- **Open API (protocols)**
 - JSON over http
 - Modbus/TCP
 - MQTT-flex
 - Telnet
 - SNMP (SNMP v1/v3)
 - XML over http
 - URL API - http get
 - HTTP Push JSON/XML
- **Supported protocols:** HTTP, DNS, NTP, DHCP, ICMP, uPNP, TCP/IP
- **IOC (Independent Output Control):** The output state is unaffected by firmware update
- **PowerUp State:** Default output state (On/Off/Last)
- **ZCS (Zero Current Switching):** The relay is switched when current crosses the zero level.
- **Scheduler function:** Time based switching

AVAILABLE MODELS



- | | |
|-----------------------------|---|
| PowerCable REST 101F | 101F is the „DE“ Schuko version for most of EU. |
| PowerCable REST 101S | 101S is IEC-320 C13/C14 version. International use, max 10A. |
| PowerCable REST 101E | 101E is the „FR“ version for France, Czech republic, Slovakia and Poland. |
| PowerCable REST 101J | 101J is the „CH“ version for Switzerland, max 10A. |
| PowerCable REST 101G | 101G is the „UK“ version for United Kingdom, max 13A. |
| PowerCable REST 101Y | 101Y is connection cable with Europlug input (CEE 7/7) and IEC-320 C13 output, max 10A. |

SPECIFICATIONS

POWER

- Input: 230V (110V/230V for 101S)
- Output: On/Off (relay, SPST-NO)
- Maximum load: 16A for 101E and 101F; 10A for 101J, 101S and 101Y; 13A for 101G
- Internal consumption: 1.2 W

INTERFACES

- WiFi: 802.11 b/g/n; 2.4GHz
- The installation does not require any Mobile App or cloud
- 1x push-button
- 2x LED indicator
- NFC

PACKAGE CONTENTS

- NETIO PowerCable REST 101x
- QIG - Quick Installation Guide

DIMENSIONS/WEIGHT

- Device: 180x40x30 mm + 2x cable
- Cables: 2x0.55 m
- Package: 255 x 73 x 204 mm / 0.4 Kg

OPERATING CONDITIONS

- Temperature: -10 °C to +65 °C
- Max current: 16A up to 30°C, max 5A for 65°C
- For indoor use only (IP30)

STANDARDS: RED CE, NV 426/2016, 2014/53/EU, EN 50581: 2012, EN 300328, EN 62311:2008, EN 301489-1, EN 60950-1